

20010123.ba v03_n085.bam.20010123

>From ???@??? Wed Jan 24 18:36:03 2001 -0600
Date: Tue, 23 Jan 2001 15:39:02 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3085
Message-Id: <20010125012657.D9CEC655F@devel43.theporch.com>

BOATANCHORS Digest 3085

Topics covered in this issue include:

- 1) Re: Valiant Problem
by Edward J Knobloch <k4pf@juno.com>
- 2) Re: Valiant Problem
by "russ dworakowski" <wb3fau@hotmail.com>
- 3) Re: Valiant Problem
by James Hanlon <knjhanlon@qwest.net>
- 4) Viking Desk High Voltage Wiring
by Joe Eide <jeide@execpc.com>
- 5) CRT Rejuvenator help
by James.Reid@merisel.com
- 6) Frostfest Hamfest Report - Richmond, VA
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 7) Re: Frostfest Hamfest Report - Richmond, VA
by Paul Bernhardt <bern@ppdmail.nrl.navy.mil>
- 8) Re: Frostfest Hamfest Report - Richmond, VA
by "Nick England" <nick@3rdtech.com>
- 9) Pilot Light - #1850
by "Larry Kayser" <kayser@sympatico.ca>
- 10) Re: Frostfest Hamfest Report - Richmond, VA
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 11) Re: CRT Rejuvenator help
by Scott Robinson <spr@earthlink.net>
- 12) Need ART-13 connector source info
by Mike Steussy - AE4R <hikrbikr@erols.com>
- 13) NESCO
by William Donzelli <aw288@osfn.org>
- 14) Capacitor Confusion
by GeorgeHumphrey <gah@koyote.com>
- 15) F.S. 5 Drake items
by "anchor" <anchor@ec.rr.com>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sun, 21 Jan 2001 14:13:28 -0500

Subject: Re: Valiant Problem
Message-ID: <20010121.141947.-1018535.2.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: Edward J Knobloch <k4pf@juno.com>

>Gary K8BKB, franklin@net-link.net, advised that his Valiant final
>won't dip on 160, 80 or 40m.

First, ensure that grid drive on those bands is correct. Disconnect the final screen voltage, and use a grid dipper in absorption mode to check that the drive is within the band. By disconnecting the screens, you will protect the 6146's during the test. You may want to pull the fuse for the HV transformer to reduce shock hazard while you are working on the rig. Place the dipper coil a few inches away from the grid coil of the final while you key the rig.

Assuming grid drive is correct, then the problem is in the final tank circuit. The best way to trouble-shoot that without risking your finals is to remove all power from the Valiant and connect a carbon resistor between the plate cap of one of the finals and ground. The resistor should be 1.8K (700V divided by 375mA), 1/4 W or so.. Leave all three 6146's plate caps installed. Connect an RX noise bridge to the output coax connector, set for 50 Ohms resistive, zero reactance. Connect a receiver to the noise bridge tuned to the band of interest. Now you can resonate the final by adding small test capacitors as necessary across the Valiant's existing capacitors as required to establish resonance.

I once found an open disc capacitor on the input tuning network of a Hammarlund HXL-1 linear using a similar method.

Hope this helps,
Ed k4pf@juno.com

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Valiant Problem
Date: Sun, 21 Jan 2001 18:41:31 -0500
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F54oYAPNXRPmca00003f22@hotmail.com>

insufficient or no grid drive on the bands you are having trouble with. Continue with the cap replacements in these sections- all coupling and bypasses. Do not overlook trimmer caps as they can also open. Russ

>From: "Gary Franklin" <franklin@net-link.net>
>Reply-To: franklin@net-link.net
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Valiant Problem
>Date: Sat, 20 Jan 2001 09:29:59 -0500
>
>I have a Valiant which I cannot properly resonate (dip the plate current
>and
>load) the final on the 40, 80, and 160 meter bands. The plate current on
>those bands runs about 380 mils and has a very slight dip as I tune the
>final but will not dip below about 360 mils. The Aux and Fine coupling
>controls seem to have no effect on resonance. Resonance (dip and load) on
>20,15 and 10 works great!
>
>Capacitors C38A,B,C,D and C39A,B,C,D have been replaced (by a previous
>owner) with new silver mica's in series. According to my calculations the
>schematic value for C39 is 330 mmfd and C38 is 150 mmfd. Again according to
>my calculations the replacement capacitors are equivalent to: C39 = 328
>mmfd and C38 = 151. Those values are pretty close to originals. Output
>coupling capacitors C41 and C42A,B,C appear to be original.
>
>Any ideas??
>
>
>Gary, K8BKB
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Message-ID: <3A6B8F21.728423DF@qwest.net>
Date: Sun, 21 Jan 2001 18:38:41 -0700
From: James Hanlon <knjhanlon@qwest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Valiant Problem
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary,

You can check the function of the fixed capacitors you mentioned by just temporarily clip-leading or soldering in

some other capacitors in parallel. Connect them first right across the variable loading capacitor. If they work to reduce the loading when they are connected there, then connect them across the existing fixed capacitors and see what happens. You may have bad existing caps or even a bad switch contact.

Good luck.

Jim, W8KGI

Message-ID: <3A6B8F42.9025FF24@execpc.com>
Date: Sun, 21 Jan 2001 19:39:14 -0600
From: Joe Eide <jeide@execpc.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Viking Desk High Voltage Wiring
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am looking for an original looking wire to replace the brittle high voltage wiring in my Desk KW. It would have to handle the 3000 vdc of the plate supply. Anyone have a source or any suggestions??

Thanks,

Joe - KB9R

Mime-version: 1.0
Date: Mon, 22 Jan 2001 09:52:34 -0800
Message-ID: <7cb4e.50087@merisel.com>
From: James.Reid@merisel.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: CRT Rejuvenator help
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-description: cc:Mail note part
Content-disposition: inline

Greetings all,

As you recall from previous posts, I'm in the process of revamping my '52 RCA tv. If you remember at last update, I was torn between continuing on with the restoration of my original chassis or essentially start my work over on a much cleaner looking chassis I picked up on the e-place. The new chassis won out so I spent many hours removing all the orange drops from the original to the new. At this point, I'm happy to say, the chassis is playing relatively well on the

bench with an 8YP4 test CRT. There's still some adjustments needed and I have a weak audio problem(it's ahead of the amplifier stage, dang it).

Just for grins, I shoved the whole thing back in its home for a quick test. The results were disappointing. With all the room lights off, I could barely make out a dim blob on the screen. Fiddling with the ion trap, focussing system, and deflection coils only moved the blob around. I figured I disturbed something so I put the chassis back on the bench with the test CRT and presto! Great picture again. Grrrrrr.

I put the B&K crt tester on the 17CP4 in the cabinet and it's showing very low emission. A couple pops with the "dynamic intensifier" brought it up into the green for a short time, but very slowly drifting back into the red. One of my TV expert colleagues lent me his REM CRT rejuvenator, which supposedly does a better job of cathode recovery than discharging a cap into it. Unfortunately this unit has none of the correct adapters with it and it would appear to have been modified a bit by a previous tv repair shop. I would rather not experiment on my crt, so I'm looking for anyone who might have a schematic for this unit. Model is CTU-1. REM is no longer in business.

So there's the latest in my restoration saga. I'm hoping that the crt can be coaxed into a few more years of service. I have found a replacement for about \$178, but I'm not ready to commit to that solution yet. Another friend suggested I check high voltage while the set is in the cabinet that perhaps the hi-v is being pulled down by some mounting bracket leakage, etc. Also my Simpson hi-v probe acts strange. Doesn't matter what voltage setting I use on the Simpson 260, it reads the same scale. I don't think this is normal, but what's causing it?

Thanks for any advice.

Regards,
-Jim

Message-Id: <4.3.2.7.0.20010122124821.00c3ad80@postoffice.worldnet.att.net>
Date: Mon, 22 Jan 2001 13:05:02 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: Frostfest Hamfest Report - Richmond, VA
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

To all,

--=Report=--

I took a table-top museum display to the Frostfest Hamfest in Richmond, VA, last weekend (packed Friday - down Saturday - back Sunday - resting-up today, Monday.) I displayed the Hoffmann transmitter, a homebrew John Rienartz receiver, S-M Around the World Four receiver, John Kelley's homebrew from "How to" receiver, the Hallicrafters S-1 receiver, a homebrew

pre-1920 key, and the two 75 year-old QSLs I have - both ends of the same QSO. I also made a standing display of my QST columns which helped make the table-top display look good. All went well and the display was popular.

The hamfest was well-run. It seemed everything went very smooth and on time. You can set up there from 1 till 5 on Saturday - then everyone is thrown out until 6 a.m. the next morning. A real Policeman patrols inside all night. VIP ticket holders, those who mailed in early for tickets, were let in 1/2 hour before the others at 7:30. The building is very large and there were hundreds of tables for sellers and real convention booths for commercial vendors. Coffee and donuts were available at 6 a.m. for vendors. Then after it opened, the regular food vendor opened with all the usual items. Attendees came in at a steady pace until about 11:30, then still was continuing at a slow pace at 2 p.m. when I was leaving. My guess is many attended church before coming over. There was a steady stream of radios and boxes going out the front door.

Commercial vendors from several real ham stores were there and I saw ICOM had a manned display booth. There were some computer sellers, but the majority of vendors and sellers were ham radio related. This was refreshing. I purchased a "EZ-Hang" sling-shot with built-in fishing reel and accessories. This should help me put some antennas over my trees.

Found 1): a very interesting battery radio in a wood cabinet - typical homebrew battery set cabinet. Inside everything is shielded with copper. Each stage, RF coil, RF amp, Detector stage, and a two-tube amp. Three tuning controls. It looks as if 222 and 01A tubes were used. I have a strong feeling this was an early ham receiver, due to the plug-in coils being small (wound on tube bases, not too many turns and small variable condensers) and the extensive attempt to shield everything including the bottom and top of the receiver (all inside). It must have 7-10 pounds of copper, as it's heavy and very well constructed. The audio transformers appear to be late 20s to 1930s type, but I'm not sure.

Found 2): a early HRO that has been modified fairly well (holes on the cabinet sides.) This will take some research. But it was cheap and came with a homebrew power supply, four coils, original HRO manual and some tuning calibration charts by a previous owner. The insides appear very clean.

Found 3): - this is really cool - a homebrew transmitter using the following: A Collins PT0, an HRO tuning knob for the PT0, separate oscillators for each band 80-10 (to beat against the PT0 I guess), 3-6146's in parallel, built in power supply - all in a 12" x 10" x 12" - or so, homebrew aluminum cabinet. The cabinet's not designed to win the design award of the year, but it is functional and has a beauty of its own. [I have the name of the designer-builder (SK and a big DX'er from Virginia Beach) and have been promised a photo of him and station and some

history.] This was all part of an estate, well-built and homebrew. It will make a good column some day. Another item of his, which I avoided, was a 500 watt modulator with 2-810s and a RF deck with a pair of 833's. I understand the seller may have more from the estate and I hope he lets me know before he goes to the next hamfest.

Missed: A Greebe CR-8. I didn't see it, but I'm told an old timer came in and sold off his stuff. (Price unknown.)

Boat Anchor Items of interest for sale: several old Hallicrafter receivers, Drake equipment, National receivers and transcievers, Collins S-line parts sets and parts, tubes, Heathkit rigs, Hammurlund receivers, power supplies, used commercial VHF gear, some late military surplus receivers, at least a dozen ARC-5 type radios scattered around. Several antenna companies had new ones for sale, and a couple of sellers had some vintage insulators.

It was fun.

73' for now, John K2TQN

Date: Mon, 22 Jan 2001 13:21:56 -0500 (EST)
From: Paul Bernhardt <bern@ppdmail.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Frostfest Hamfest Report - Richmond, VA
Message-ID: <Pine.LNX.4.21.0101221311450.10983-100000@ppdpro0.nrl.navy.mil>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

John Dilks had great setup next to the display of vintage radios by the Mid-Atlantic Antique Radio Club (MAARC). I am glad that he and his wife took the time to drive down all the way from New Jersey.

I came away with my trunk loaded down with

- (1) HT-37,
- (2) NC-120/RA0,
- (3) SP-600, and
- (4) SCR-274 TX.

For me, the most interesting deal was a TMC GPR-90 receiver/cabinet that sold for \$500.

Cheers, Paul Bernhardt

Work: P.A. Bernhardt
Code 6794
Naval Research Laboratory

Home: Paul Bernhardt, KF4FOR
5704 Ridge View Dr.
Alexandria, VA 22310

Washington, DC 20375
Tel: 202-767-0196
FAX: 202-767-0631

703-960-9656

On Mon, 22 Jan 2001, John Dilks, K2TQN wrote:

> To all,
>
> ---Report---
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>

Message-ID: <00df01c084a7\$ff63a860\$fd0212ac@3rdTech.com>
From: "Nick England" <nick@3rdtech.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Frostfest Hamfest Report - Richmond, VA
Date: Mon, 22 Jan 2001 14:17:43 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was good to see John Dilks and his informative an interesting set-up. Many of us went by and paid homage to his Hallicrafters S-1. I saw a number of other BA-ites there as well. We need to set up a time/place to gather next year.

In addition to the stuff Paul & John mentioned (some of which I missed completely), I thought the flea market had a pretty good crop of stuff you don't often see - two HROs (asking \$175 and \$200), two NC-303s (\$200/\$225 w spkr), an NC-270 in all its "Electric Blue" glory, a Johnson Courier (\$350), and the GPR-90 (\$500).

There was also a pretty good assortment of SB-series Heathkits, several HQ-110s, lots of Drake gear (one fellow had three R-4Bs), some later Collins (no R-390/391 or St. James Grey, though), Valiant, Ranger, 4-5 pre-war Hallicrafters, and misc mid-range Nationals and Hallicrafters (sorry, no cheap NC-400s or SX-88s).

The estate with the pair of 833s modulated by 810s had lots of interesting HB gear. Fun to browse over.

The FrostFest seems to attract a pretty good assortment of folks from NC/VA/DC but the number of flea marketers was definitely down this year - lots of empty tables. Could have been Saturday night's freezing rain/snow that kept some away, however - good thing this is an indoor event!

73 & Have Fun

Nick KD4CPL

<http://www.3rdtech.com/nick/hobbies.html>

Message-ID: <002f01c084d6\$0835df70\$0a00a8c0@ThreeLakes.ca>

From: "Larry Kayser" <kayser@sympatico.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Pilot Light - #1850

Date: Mon, 22 Jan 2001 19:47:01 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Greetings:

I am looking for voltage and current ratings on this bulb, can anyone help me out?

Larry

VA3LK

Message-Id: <4.3.2.7.0.20010122194535.00c2fa20@postoffice.worldnet.att.net>
Date: Mon, 22 Jan 2001 19:48:23 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>
Subject: Re: Frostfest Hamfest Report - Richmond, VA
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

To all,

On the AM station - it was just a couple of decks.... I purposely did not ask the price, as I didn't want to be tempted..... My wife was with me and I had to be careful. As it is, she only knows about two of the three I brought home. Careful packing concealed the heavy one. She caught me going out the door with the HRO though. That 833 amp was real nice. The chassis must have been a full 20-24" wide by 12-15" deep. The front panel was at least 14" high. Someone bought the modulator, as it was gone in the early p.m.

73' John

At 05:13 PM 1/22/2001 -0500, john wrote:
>Sorry I missed it John (would have liked meeting you and seeing your goodies).
>Do you remember how much the fellow wanted for the modulator and
>RF deck? Wonder if it went?
>
>Best
>John

Message-ID: <3A6CDD33.4ABCD12@earthlink.net>
Date: Mon, 22 Jan 2001 17:24:03 -0800
From: Scott Robinson <spr@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: CRT Rejuvenator help
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

James,

I can't help you with your CRT rejuvenator problem, but about the HV probe: these things have a very high internal resistance, so are essentially constant current sources. VOMs like the Simpson 260 always take (for instance) 50 uA for full scale, regardless of the voltage range. The range switch puts different resistors in series with the meter movement to vary the sensitivity. Since the resistance of the

probe is large compared to the internal resistors in the VOM, changing the range won't have much effect.

Oh, if your 17xxx CRT has only a blob in the middle...have you checked its deflectino yoke?

Regards,

Message-ID: <3A6CB17B.656C@erols.com>
Date: Mon, 22 Jan 2001 22:17:31 +0000
From: Mike Steussy - AE4R <hikrbikr@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need ART-13 connector source info
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ahoy! Earlier this month, there was an item on the list about ART-13 connectors, which I glanced past and soon forgot. Now, a friend has acquired a beauty this past weekend and I'd like to advise him who to contact. Please contact me with the info.

73, Mike Steussy AE4R
Vienna VA
hikrbikr@erols.com

Date: Mon, 22 Jan 2001 22:34:40 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NESCO
Message-ID: <Pine.SUN.3.91-FP.1010122223302.18620M-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A question for you old timers...

What year did NESCo (National Electrical Supply Co.) finally shut its doors?

William Donzelli
aw288@osfn.org

Message-Id: <3.0.6.32.20010123113658.008537c0@mail.koyote.com>
Date: Tue, 23 Jan 2001 11:36:58 -0600

To: Old Tube Radios <boatanchors@theporch.com>
From: GeorgeHumphrey <gah@koyote.com>
Subject: Capacitor Confusion
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

BAers,

Please allow a little time for a newbie question. I have been reading and saving capacitor replacement stories for quite some time now and I am confused. There must be 8-10 of the most popular types of capacitors used in these BAs that most folks replace, but there seems to be an endless supply of different types of capacitors that are used for the replacements. Would it be possible to make a list of what types of capacitors we are likely to run into (how to identify each type) and cross that list with a list of preferred replacement types of capacitors? I will be happy to make the list if the knowledgeable will share their experience.

73 de George
KC5WBV

Message-ID: <01aa01c08584\$fc5ceea0\$6401a8c0@ec.rr.com>
From: "anchor" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: F.S. 5 Drake items
Date: Tue, 23 Jan 2001 16:39:37 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi all,

I need to reduce the population here, have been buying too much lately.

=====

R-4B, s/n 9759C

Front panel is very good, no scratches or rubs. Nice knobs. The insert of the main tuning knob has a perceptable short shiny line on it, not a scratch or gouge.

The chassis has very little black spotting. Like the T-4XB, one of the nicest I've seen. The top cover has been sprayed, looks very good. The bottom cover has a few small nicks thru the paint.

It has 4 extra xtals, for 1.8-2.3, 18.0-18.5, 9.7-10.2, 28.0-28.5 mc

"very good" to "excellent", as listed by Thom LaCosta/Donnie, wa9tgt, on 9/22.

Price \$275, - plus shipping costs, I'll pack. incl. manual copy.

=====

T4XB s/n 15429R

chassis is very clean, some very small black spots - one of the nicest I've seen

Front panel is good except for- thin scratches under the 3 bottom left knobs, very small scrape in corner of meter opening in the panel, tiny "pin-prick" in paint over the xtal knob.

Cover is good, but left side had some scrapes, rt side good, a light overspray made it quite nice

Fully aligned, finals are like new, full output on all bands (can't find my chart on it rite nw).

Price w/o pwr supply, \$165 - plus shipping. incl. manual copy.

add \$40 for an AC-3, \$55 for an AC-4 (neither sold separately)

I think this would be a "very good condx" as listed by Thom LaCosta/Donnie, wa9tgt, on 9/22.

If you want the pair, I'll include a set of cables, & an MS-4 for no extra cost, total of \$480 or \$495, depending on p.s. option, plus shipping, from 28560.

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T4X s/n 11867

Front panel is very good, no scratches or rubs. nice knobs. key jack is in the bottom center (original).

There is a short, fine, crack in the meter plastic, doesn't go all the way across, right at the left side, below the "zero".

chassis does have some black spotting, about "medium" I guess.

It loads up to 250-280ma on all bands, pwr out from 60 to 90w.

It has an extra xtal in it, for 10m cw, but it's not an exact one, it's 38.955, so the dial is off by 145 kc. usable, but a pain to remember just where you are. e.g. 28.000 reads 28.145.

top cover has some extra holes in it, maybe it had a fan or 2 on it. And it could use a spray job

the holes in the top would bring it down to "good condx" from "very good" I think, as listed by Thom LaCosta/Donnie, wa9tgt, on 9/22.

Price w/o pwr supply, \$135 - plus shipping. incl. manual copy.

add \$40 for an AC-3 (not sold separately)

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TR-7 s/n 8015

front panel and knobs are very good, no blemishes seen, the same for the PS-7 s/n 7367 front.

It is "plain Jane" no options in it. The "A's" have a 500cy filter, AUX-7, an NB-7 added, but otherwise is the same radio. Drake used to upgrade the TR-7 to an A by adding those parts, and that's all they did, I think.

I have checked this one out, and used it a bit, but have not done any alignment, as "they" say abt TR-7's, "if it works, don't mess with it".

Power output is good on all bands, about 100w, down to about 70-80w on 10, which seems to be about typical.

The cover had some corrosion bubbles in the paint. I have cleaned & sprayed it with texture paint, as has been recommended.

The inside of the TR-7 is nice and clean. Much nicer than my "keeper" TR-7A.

The PS-7 cover is similar, I have cleaned & sprayed it, looks very good.
No dings on the outside of the p.s., is clean on the inside, and has the
original Drake final inspection tag, dated 6/2/80.

Price for both units, \$575, - plus shipping costs, I'll pack. incl. manual
copy.

It's probably an "Excellent Condx" unit. as listed by Thom LaCosta/Donnie,
wa9tgt, on 9/22.

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TR-4C

It's been my user, regularly, for over a year.

details on request (not written yet)

price \$325 plus shipping

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thanks for looking,

73,

Al, W8UT

New Bern, NC 28560

BoatAnchors appreciated here

anchor@ec.rr.com

<http://www.thecompendium.net/radio/>

And remember; "-They don't make tubes nowadays like they used to..."

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End of BOATANCHORS Digest 3085
